

7-6 Culverts and Drainage Structures

The Qualifying Party examination for the classification of Culverts and Drainage Structures is a 50 multiple-choice question exam covering all aspects of culverts, catch basins, and related structures and appurtenances. The examination covers such areas as safety, trenching, pipe work, concrete forming and construction, backfilling and compaction, surveying and grading, plan reading, and estimating. These books should be available from the publisher, a library, or the services of inter-library loan. Where noted below, the books are also available directly from the internet. While the references below do not necessarily contain all information needed to be successful in this field of work or to pass the examination, the references should be helpful in preparing for the examination:

Louisiana Standard Specifications for Roads and Bridges, 2000 edition; Sections 203, 701, 702, 708, 710, 711, 802, 805, 1005, 1006, 1007, 1016, 1019; Louisiana Department of Transportation and Development; Baton Rouge, LA; 2000.

This publication can be downloaded without charge on the internet from the following website:
http://www.dotd.louisiana.gov/highways/project-devel/contractspecs/2000_standard_specs_manual.asp or from <http://www.dotd.louisiana.gov/highways/project-devel/contractspecs/default.asp>

Culvert Repair Practices Manual, Volumes 1 and 2; Ballinger, Craig A. and Drake, Patricia G.; Federal Highway Administration; Publication No. FHWA-RD-94-096 and Publication No. FHWA-RD-95-089; McLean, VA; 1995.

These volumes can be downloaded without charge on the internet from the following websites:
Volume 1: <http://isddc.dot.gov/OLPFiles/FHWA/010551.pdf>
and Volume 2: <http://isddc.dot.gov/OLPFiles/FHWA/010550.pdf>

Please note: These are very large files (i.e., over 50 megabytes and over 13 megabytes) and they may take a long time to download on your computer.

Excavations, OSHA 2226 2002 (Revised); Occupational Safety and Health Administration; U. S. Department of Labor; Washington, DC; 2002.

This publication can be downloaded without charge on the internet from the following website:
<http://www.osha.gov/Publications/osha2226.pdf>

Pipe and Excavation Contracting; Roberts, Dave; Craftsman Book Company; Carlsbad, CA; 1997.

Concrete Technician Manual, Metric Edition; Feltz, William R.; Ohio Ready Mixed Concrete Association; 1997.

Equipment Utilization; Subcourse EN5478, Edition A; U. S. Army Engineer School; Fort Leonard Wood, MO; 1994.

This publication can be downloaded without charge on the internet from the following website:
<https://hosta.atsc.eustis.army.mil/cgi-bin/atdl.dll/query/download/EN5478>